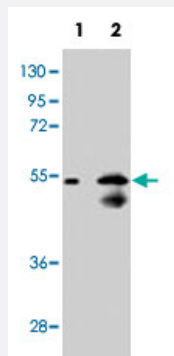


SLC29A1 polyclonal antibody

Catalog # PAB2255

Size 200 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of ENT1 (SLC29A1) (arrow) using rabbit SLC29A1 polyclonal antibody (Cat # PAB2255). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ENT1 (SLC29A1) gene (Lane 2) (Origene Technologies).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SLC29A1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human SLC29A1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein A purification
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of ENT1 (SLC29A1) (arrow) using rabbit SLC29A1 polyclonal antibody (Cat # PAB2255). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ENT1 (SLC29A1) gene (Lane 2) (Origene Technologies).

Gene Info — SLC29A1

Entrez GeneID	2030
Protein Accession#	NP_004946;Q99808
Gene Name	SLC29A1
Gene Alias	ENT1, MGC1465, MGC3778
Gene Description	solute carrier family 29 (nucleoside transporters), member 1
Omim ID	602193
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the equilibrative nucleoside transporter family. The gene encodes a transmembrane glycoprotein that localizes to the plasma and mitochondrial membranes and mediates the cellular uptake of nucleosides from the surrounding medium. The protein is categorized as an equilibrative (as opposed to concentrative) transporter that is sensitive to inhibition by nitrobenzylthioinosine (NBMPR). Nucleoside transporters are required for nucleotide synthesis in cells that lack de novo nucleoside synthesis pathways, and are also necessary for the uptake of cytotoxic nucleosides used for cancer and viral chemotherapies. Multiple alternatively spliced variants, encoding the same protein, have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000016506 OTTHUMP00000016507 OTTHUMP00000016508 OTTHUMP00000016509 OTTHUMP00000016510 OTTHUMP00000016511 OTTHUMP00000016512 equilibrative nitrobenzylmercaptapurine riboside (NBMPR)-sensitive nucleoside transporter equilibrative nucleoside transpo

Publication Reference

- ["Open Sesame?": Biomarker Status of the Human Equilibrative Nucleoside Transporter-1 and Molecular Mechanisms Influencing its Expression and Activity in the Uptake and Cytotoxicity of Gemcitabine in Pancreatic Cancer.](#)

Ornella Randazzo, Filippo Papini, Giulia Mantini, Alessandro Gregori, Barbara Parrino, Daniel S K Liu, Stella Cascioferro, Daniela Carbone, Godefridus J Peters, Adam E Frampton, Ingrid Garajova, Elisa Giovannetti.

Cancers 2020 Oct; 12(11):3206.

Application: IHC, Human, Human pancreatic ductal adenocarcinoma, Human pancreatic cancer

- [Combined Analyses of hENT1, TS, and DPD Predict Outcomes of Borderline-resectable Pancreatic Cancer.](#)

Yabushita Y, Mori R, Taniguchi K, Matsuyama R, Kumamoto T, Sakamaki K, Kubota K, Endo I.

Anticancer Research 2017 May; 37(5):2465.

Application: IHC-P, Human, Human pancreatic cancer

- [Concurrent analysis of human equilibrative nucleoside transporter 1 and ribonucleotide reductase subunit 1 expression increases predictive value for prognosis in cholangiocarcinoma patients treated with adjuvant gemcitabine-based chemotherapy.](#)

Sasaki H, Murakami Y, Uemura K, Sudo T, Hashimoto Y, Kondo N, Sueda T.

British Journal of Cancer 2014 Sep; 111(7):1275.

Application: IHC-P, Human, Cholangiocarcinoma

- [Combined analysis of intratumoral human equilibrative nucleoside transporter 1 \(hENT1\) and ribonucleotide reductase regulatory subunit M1 \(RRM1\) expression is a powerful predictor of survival in patients with pancreatic carcinoma treated with adjuvant gemcitabine-based chemotherapy after operative resection.](#)

Nakagawa N, Murakami Y, Uemura K, Sudo T, Hashimoto Y, Kondo N, Sueda T.

Surgery 2012 Dec; 153(4):565.

Application: IHC-P, Human, Pancreatic carcinoma

- [Combined Analysis of Dihydropyrimidine Dehydrogenase and Human Equilibrative Nucleoside Transporter 1 Expression Predicts Survival of Pancreatic Carcinoma Patients Treated with Adjuvant Gemcitabine Plus S-1 Chemotherapy after Surgical Resection.](#)

Kondo N, Murakami Y, Uemura K, Sudo T, Hashimoto Y, Nakashima A, Sueda T.

Annals of Surgical Oncology 2012 Jul; 19 Suppl 3:S646.

Application: IHC-P, Human, Pancreatic ductal adenocarcinoma

- [Nucleoside and nucleobase transporters of primary human cardiac microvascular endothelial cells: characterization of a novel nucleobase transporter.](#)

Bone DB, Hammond JR.

American Journal of Physiology. Heart and Circulatory Physiology 2007 Dec; 293(6):H3325.

- [Localization of broadly selective equilibrative and concentrative nucleoside transporters, hENT1 and hCNT3, in human kidney.](#)

Damaraju VL, Elwi AN, Hunter C, Carpenter P, Santos C, Barron GM, Sun X, Baldwin SA, Young JD, Mackey JR, Sawyer MB, Cass CE.

American Journal of Physiology. Renal Physiology 2007 Jul; 293(1):F200.

Application: IF, IHC-P, WB-Ti, Human, Human kidney

- [Characterization and functional analysis of the promoter for the human equilibrative nucleoside transporter gene, hENT1.](#)

Abdulla P, Coe IR.

Nucleosides, Nucleotides & Nucleic acids 2007 Jan; 26(1):99.

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